

CHEMICAL CORPS  
CHEMICAL AND RADIOLOGICAL LABORATORIES  
Army Chemical Center  
Maryland

SYMPOSIUM VII

INCENDIARY GELS AND THEIR INSTRUMENTATION

All technical sessions held in Post Theatre

Monday, 27 June 1955

INTRODUCTIONS 9:30 AM

1. Survey of Instrumentation of Incendiary Gels 9:45 AM  
L. Finkelstein, Cml C Chemical and Radiological Laboratories, Army Chemical Center, Md.
2. The Application of the McKee Consistometer 10:15 AM  
to Incendiary Gels  
A. B. Bestul, Division of Heat & Power,  
National Bureau of Standards, Washington,  
D. C.
3. Viscoelasticity of Aluminum Soap Gels 10:45 AM  
W. Philippoff, The Franklin Institute,  
Philadelphia, Pennsylvania
4. Flow Properties of Aluminum Soap Gels 11:15 AM  
W. H. Bauer, Rensselaer Polytechnic  
Institute, Troy, New York

LUNCH

5. Theory of Non-Newtonian Flow as Applied to 2:00 PM  
Napalm Gels  
Henry Eyring, University of Utah, Salt Lake  
City, Utah
6. Viscoelasticity of Rubber 2:30 PM  
A. V. Tobolsky, Princeton University,  
Princeton, New Jersey
7. Stress Relaxation of Rubber-like Material 3:00 PM  
H. Leaderman, National Bureau of Standards,  
Washington, D. C.

Incl 1 *B. Bestul*

CHEMICAL CORPS  
CHEMICAL AND RADIOLOGICAL LABORATORIES  
Army Chemical Center  
Maryland

SYMPOSIUM VII

INCENDIARY GELS AND THEIR INSTRUMENTATION

Tuesday, 28 June 1955

1. Dynamic Bulk Modulus of Rubber-like Materials 9:30 AM  
R. S. Marvin, Rubber Section, National Bureau  
of Standards, Washington, D. C.
2. Viscosity of Carboxymethyl Cellulose Solutions 10:00 AM  
J. H. Elliott and E. H. DeButts, Hercules  
Experiment Station, Wilmington, Delaware
3. Rheology of Vinyl Dispersions 10:30 AM  
E. T. Severs, Mellon Institute, Pittsburgh,  
Pennsylvania
4. Degradation of Polymers 11:00 AM  
L. A. Wall, National Bureau of Standards,  
Washington, D. C.

LUNCH

5. Evaluation of Synthetic Latices 2:00 PM  
L. H. Howland, United States Rubber Company,  
Naugatuck, Connecticut
6. Theory of Flame Thrower Jet Stability 2:30 PM  
M. Mooney, United States Rubber Company  
General Laboratories, Passaic, New Jersey
7. Stability Conditions for a Fluid Jet 3:00 PM  
P. Debye, Cornell University, Ithaca, New  
York

Commanding Officer  
Cml C Chemical and Radiological Laboratories  
Army Chemical Center, Maryland  
ATTN: Chairman, Symposium VII

will  
I will not accept the invitation to attend  
Symposium VII.

- |  | Yes                                | No    |
|--|------------------------------------|-------|
| 1. I am an American citizen.   | _____                              | _____ |
| 2. Accommodations in Army Barracks<br>at Army Chemical Center requested.   | _____                              | _____ |
| 3. Accommodations in Baltimore hotel<br>will be obtained personally.   | _____                              | _____ |
| 4. Attendance at buffet dinner on<br>evening of 27 June (cost about<br>\$3.00 including cocktails).              | _____                              | _____ |
| 5. Travel expenses will be charged<br>to a Government contract with  | _____                              |       |
|  | Give name of Govt.<br>Organization |       |
| 6. Travel expenses provided by<br>my employer  | _____                              |       |
|  | Give name of Employer              |       |
| 7. Government orders to travel<br>as a consultant or member of<br>an advisory committee will be<br>obtained from | _____                              |       |
|  | Give name of Govt.<br>Organization |       |
| 8. Method of travel (train schedules<br>will be supplied early in May to<br>all participants).                   | Train                              | Auto  |
|  | Cross out one                      |       |
| 9. I am affiliated with  | _____                              |       |
|  | Name of Company                    |       |

Name _____	Address _____
(Please print or type)	(Please print or type)
Signature _____	_____

Please reply before **MAY 20 1955**  
Incl 2 *to Incl 1*

E-5561

UNCLASSIFIED RESTRICTED CONFIDENTIAL  
(SENDER WILL CIRCLE CLASSIFICATION TOP AND BOTTOM)

CENTRAL INTELLIGENCE AGENCY  
OFFICIAL ROUTING SLIP

TO		INITIALS	DATE
1	Director of Training Attn: XO/TR	<i>[Signature]</i>	13 May
2			
3	TSS - [Redacted]		24 May <i>[Signature]</i>
4	Dir. of Training XO/TR	<i>[Signature]</i> for DIR	25 May
5			

FROM		INITIALS	DATE
1	DC/OS	<i>[Signature]</i>	12 May
2			
3			

☐ APPROVAL

☐ ACTION

☐ COMMENT

☐ CONCURRENCE

☐ INFORMATION

☐ DIRECT REPLY

☐ PREPARATION OF REPLY

☐ RECOMMENDATION

☐ SIGNATURE

☐ RETURN

☐ DISPATCH

☐ FILE

FORM NO. 30-4  
SEP1947

16-68548-1 U. S. GOVERNMENT PRINTING OFFICE

CENTRAL INTELLIGENCE AGENCY  
OFFICIAL ROUTING SLIP

EO-5401

TO		INITIALS	DATE
1	DIRECTOR OF TRAINING	<i>WBA</i> for DTR	11 May
2	C/OS/TR	<i>12 May</i>	
3	DC/OS	<i>12 May</i>	
4			
5			
FROM		INITIALS	DATE
1	Assist. to the Director	<i>FM</i>	10 May
2			
3			

☐ APPROVAL      ☐ INFORMATION      ☐ SIGNATURE  
☒ ACTION      ☒ DIRECT REPLY      ☐ RETURN  
☐ COMMENT      ☐ PREPARATION OF REPLY      ☐ DISPATCH  
☐ CONCURRENCE      ☐ RECOMMENDATION      ☐ FILE

Remarks:

Please note that reply is requested within  
two weeks.

SECRET

CONFIDENTIAL

UNCLASSIFIED

FORM NO. 30-4  
1 NOV 53

Previous editions may be used.

U. S. GOVERNMENT PRINTING OFFICE 16-08648-2

(40)

STAT